

SEQUENCE LISTING



<110> Jaeger, Stephan

<120> A method for determination of a nucleic acid using a control

<130> 18981

<140> US10/087,631

<141> 2002-03-01

<160> 17

<170> PatentIn Ver. 2.1

<210> 1

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: artificial sequence to exemplify principle

<400> 1

agcgcgatgcc agattactgg c

21

<210> 2

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: artificial sequence to exemplify principle

<400> 2

tcgcgtacgg tctaatagacc g

21

<210> 3

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: ST650 HCV specific probe sequence

<220>

<221> N region

<222> (15)

<223> n represents abasic linker
((2-amino-cyclohexyl-)propan-1,3-diol)

<400> 3

cgggtgtactc accgnttccg cagaccacta tggc

34

<210> 4

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:ST2535 probe
sequence

<220>

<221> N_region

<222> (14)

<223> n represents an abasic linker
(2-amino-cyclohexyl-)propan-1,3-diol)

<400> 4

tggactcagt cctntgggtca tctcaccttc t

31

<210> 5

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: ST650pc probe
sequence (parallel-complementary to ST650)

<220>

<221> N_region

<222> (15)

<223> n represents an abasic linker
(2-amino-cyclohexyl-)propan-1,3-diol

<400> 5

gccacatgag tggcnaaggc gtctggtgat accg

34

<210> 6

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:ST280
HCV-specific Primer-sequence

<400> 6

gcagaaagcg tctagccatg gcgtta

26

<210> 7

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:ST778
HCV-specific Primer-sequence

<400> 7

gcaagcaccc tatcaggcag taccacaa

28

<210> 8

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:ST280pc Primer
parallel-complementary to ST280

<400> 8

cgtctttcgc agatcggtac ctcaat

26

<210> 9
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: ST778pc Primer
parallel-complementary to ST778

<400> 9
cgttcgtggg atagtccgtc atggtgtt

28

<210> 10
<211> 241
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: DNA sequence
derived by amplification of HCV type 1 using the
primers ST280 and ST778

<400> 10
gcagaaagcg tctagccatg gcgttagtat gagtgtcgtg cagcctccag gacccccct 60
cccgggagag ccatagtggg ctgcggaacc ggtgagtaca ccggaattgc caggacgacc 120
gggtcctttc ttggatcaac ccgctcaatg cctggagatt tggcggtgcc cccgcgagac 180
tgctagccga gtagtggtgg gtcgcgaaag gccttggtgt actgcctgat aggggtgctt 240
c 241

<210> 11
<211> 943
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: QS(pc)HCV
being parallel-complementary to according region
of the HCV type1 genome

<400> 11
agatctccgc tgtgaggtgg tatctagtga ggggacactc cttgatgaca gaagtgcgtc 60
tttcgcagat cggtagcgca atcatactca cagcacgtcg gaggtcctgg gggggagggc 120
cctctcggtg taaccagacg ccttgggcac tcatgtggcc ttaacgggtc tgctggccca 180
ggaaagaacc tagttgggag agttacggac ctctaaaccc gcacgggggc gctctgacga 240
tcgggtcatc acaaccagc gctttccgga acaccatgac ggactatccc acgaacgctc 300
acggggccct ccagagcatc tggcacgtgg tactcgtgct taggatttgg agtttctttt 360
tggtttgcat tgtggttggc ggcaggtgtc ctgcagttca agggcccgc accagtctag 420
caaccacctc aaatggacaa cggcgcgtcc cgggggtcca acccacacgc gcgcgagtcc 480
ttctgaaggc tcgccagcgt tggagcacct tccgctgttg gataggggtt ccgagcggct 540
gggtctccgt cccggacccg agtcggggcc atgggaaccg gggagatacc gttactcccg 600
taccacacc gtcctaccga ggacagtggg gcaccaagag ccggatcaac cccggggagt 660
ctggggggcg catccagcgc attaaaccca ttccagtagc tatgggaatg tacgccgaag 720
cggctggagt accccatgta aggcgagcag ccgcggggag atcccccgcg gcggtcccg 780
gaccgcgtac cgcaggccca agacctctg ccgcacttga tacgttgtcc cttaaaccgg 840
ccaacgagaa agagatagaa ggagaaccca aacgacagaa caaactggta gggtcgaagg 900
cgaatacttc acgcgtaaac atgaggatta cccatgtaag ctt 943

<210> 12
<211> 241
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: amplicon
derived from QS(pc)HCV using the primers ST280pc

and ST778pc

<400> 12
cgtcttttcgc agatcgggtac cgcaatcata ctcacagcac gtcggagggtc ctgggggggga 60
gggccctctc ggtatcacca gacgccttgg ccactcatgt ggccttaacg gtcctgctgg 120
cccaggaaag aacctagtgt ggcgagttac ggacctctaa acccgcacgg gggcgctctg 180
acgatcggct catcacaacc cagcgctttc cggaacacca tgacggacta tcccacgaac 240
g 241

<210> 13

<211> 241

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:amplicon
sequence derived from QSHCV (HCV amplification
control having binding sites for ST280, ST778 and
ST2535) using the primers ST280 and ST778

<400> 13
gcagaaagcg tctagccatg gcgttagtat agtggcggtga gagcagccct tgcctcgccc 60
accgcgcgtc tagaagggtga gatgaccaga ggactgagtc caatgcatgc tggctccgag 120
atgtcccgca aacttgccgt caacgtgact gcgtacggcg ggcgtgcccg cctggctgtg 180
tatgagctgg tgaccgtgat ctggctggag gccttgtggt actgcctgat aggggtgctt 240
c 241

<210> 14

<211> 375

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: ICSJ620HCV
(HCV specific amplification control having a
binding site for ST280 and ST778 and an internal
region being parallel-complementary to HCV)

<400> 14
agatctcgggt cggggggacta cccccgctgt gaggtggtac ttagtgaggg gacactcctt 60
gatgacagaa gtggcagaaa gcgtctagcc atggcggttac atactcacag cagtcggag 120
gtcctggggg ggagggccct ctcggtatca ccagacgcct tggccactca tgtggcctta 180
acggtcctgc tggcccagga aagaacctag tttggggcgag ttacggacct ctaaaccgc 240
acggggggcg tctgacgac ggctcatcac aaccagcgc tttccggtt tggtactgcc 300
tgatagggtg cttgcctcga ggggccctcc agagcatctg gcacgtggaa acatgaggat 360
taccatgta agctt 375

<210> 15

<211> 242

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: amplicon
derived from ICSJ620HCV (HCV-specific
amplification control) using ST280 and ST778 as
primers

<400> 15
gcagaaagcg tctagccatg gcgttacata ctcacagcac gtcggagggtc ctgggggggga 60
gggccctctc ggtatcacca gacgccttgg ccactcatgt ggccttaacg gtcctgctgg 120
cccaggaaag aacctagttt gggcgagtta cggacctcta aaccgcacg gggcgctct 180
gacgatcggc tcatcacaac ccagcgcttt ccggttgtgg tactgcctga tagggtgctt 240
gc 242

<210> 16
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: NTQ21-46-A

<400> 16
cgatcatctc agaacattct tagcgttttg ttcttggtga tgatcg

46

<210> 17
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: artifical
sequence to exemplify principle

<400> 17
cggtcattag accgtacgcg a

21